

CSC Adopted: October 2001 , CSC Revised: _____**Class Title: Traffic Signal Technician I****BRIEF DESCRIPTION OF THE CLASSIFICATION:**

Installs, constructs and maintains equipment essential to the traffic signal system. Installs and repairs school lights and flashing lights and maintains cables. Responds to after hour calls as needed. Works with the emergency storm response teams.

ESSENTIAL FUNCTIONS:

This information is intended to be descriptive of the key responsibilities of the classification. The following examples do not identify all duties performed by any single incumbent. Specific requirements of individual positions are described in the Job Description.

| Physical Strength Code | | ESSENTIAL FUNCTIONS |
|------------------------|---|--|
| 1 | H | Maintains traffic signal lighting by installing, constructing and performing maintenance on traffic signals, installing and repairing manholes, performing maintenance on flashing beacons, school zone lighting and city wide signal lights, repairing damage due to accidents, relocating cables, and checking and repairing all loops while using a variety of tools and equipment. |
| 2 | M | Responds to service calls by diagnosing the problems and replacing components damaged by vehicles or storms. |

CSC Adopted: October 2001 , CSC Revised: _____**CLASS REQUIREMENTS:**

| CLASS REQUIREMENTS | |
|--|---|
| Formal Education / Knowledge | Work requires knowledge of a specific vocational, administrative, or technical nature which may be obtained with six months/one year of advanced study or training past the high school equivalency. Junior college, vocational, business, technical or correspondence schools are likely sources. Appropriate certification may be awarded upon satisfactory completion of advanced study or training. |
| Experience | One year experience as an electrician or in a related field. |
| Certifications and Other Requirements | Valid CDL Driver's License |
| Reading | Work requires the ability to read installation and service manuals, and questionnaires. |
| Math | Work requires the ability to perform general math calculations such as addition, subtraction, multiplication and division. As well as calculate loads for power supply. |
| Writing | Work requires the ability to write work orders and questionnaires. |
| Managerial | N/A |
| Budget Responsibility | N/A. |
| Supervisory / Organizational Control | Job has no responsibility for the direction or supervision of others. |
| Complexity | Work involves choices of action within limits set by standard practices and procedures. Professional judgment is required to apply the proper course of action to ensure public safety. |
| Interpersonal / Human Relations Skills | Contacts others within the organization. These contacts may involve similar work units or departments within the City which may be involved in decision making or providing approval or decision making authority for purchases or projects. Works with individuals outside the City who may belong to professional or peer organizations. Working with various state and federal agencies may also be required. Vendors and suppliers may also be called upon for information on purchases, supplies or products. Meetings and discussions may be conducted with customers, motorists and sales representatives. |

CSC Adopted: **October 2001** , CSC Revised: _____**OVERALL PHYSICAL STRENGTH DEMANDS:**

| Sedentary | Light | Medium | Heavy X | Very Heavy |
|---|---|---|--|---|
| S = Sedentary Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time | L = Light Exerting up to 20 lbs. occasionally, 10 lbs. frequently, or negligible amounts constantly OR requires walking or standing to a significant degree. | M = Medium Exerting 20-50 lbs. occasionally, 10-25 lbs. frequently, or up to 10 lbs. constantly. | H = Heavy Exerting 50-100 lbs. occasionally, 25-50 lbs. frequently, or up to 10-20 lbs. constantly. | VH = Very Heavy Exerting over 100 lbs. occasionally, 50-100 lbs. frequently, or up to 20-50 lbs. constantly. |

PHYSICAL DEMANDS:

| | | | | |
|--|--|--|--|----------------------------|
| C = Continuously 2/3 or more of the time. | F = Frequently From 1/3 to 2/3 of the time. | O = Occasionally Up to 1/3 of the time. | R = Rarely Less than 1 hour per week. | N = Never Never occurs. |
|--|--|--|--|----------------------------|

This is a description of the way the job is currently performed; it does not address the potential for accommodation.

| PHYSICAL DEMANDS | FREQUENCY CODE | DESCRIPTION |
|------------------|----------------|---|
| Standing | C | Setting up work site, operation of equipment, maintenance and repair work |
| Sitting | R | Computer, desk work, driving |
| Walking | C | Setting up work site, operation of equipment, to/from maintenance or repair site |
| Lifting | F | Cones, controllers, tools, equipment, wires and parts |
| Carrying | F | Cones, controllers, tools, equipment, wires and parts |
| Pushing/Pulling | F | While setting up work site |
| Reaching | F | For equipment or parts in cabinets/control boxes |
| Handling | C | Cones, controllers, tools, equipment, wires and parts |
| Fine Dexterity | O | Computer keyboard, calculator, writing |
| Kneeling | F | Accessing cabinets/control boxes |
| Crouching | F | Accessing cabinets/control boxes |
| Crawling | F | In hand holes |
| Bending | F | Accessing cabinets/control boxes or retrieval of parts or equipment from truck |
| Twisting | F | Accessing cabinets/control boxes, or retrieval of parts or equipment from truck, pulling wire |
| Climbing | C | On top of trucks |
| Balancing | C | While carrying objects, or on top of truck |
| Vision | C | Computer, desk work, operation of equipment, maintenance and repair work, driving |
| Hearing | C | Co-workers, supervisor, traffic noises, equipment noises |
| Talking | F | Co-workers, supervisor |
| Foot Controls | C | Driving |
| Other (specify) | N | |

CSC Adopted: **October 2001** , CSC Revised: _____**MACHINES, TOOLS, EQUIPMENT, AND WORK AIDS:**

Hand tools, drills, saws, hacksaws, concrete saws, generators, ditch witch, jack hammer, line truck, bucket truck, motor vehicle, truck, lift bed, pipe threader, quickie saw, computer, laser or inkjet printer, laptop computer, Standard Windows and Office software, Bi-Tran processor, Internet/Intranet

ENVIRONMENTAL FACTORS:

| | | | | |
|-----------|-------------------------------|--------------------------------|----------------|-----------|
| D = Daily | W = Several Times Per Week | M = Several Times Per Month | S = Seasonally | N = Never |
|-----------|-------------------------------|--------------------------------|----------------|-----------|

| HEALTH AND SAFETY | | ENVIRONMENTAL FACTORS | |
|--------------------------|---|---------------------------|---|
| Mechanical Hazards | D | Dirt and Dust | D |
| Chemical Hazards | D | Extreme Temperatures | D |
| Electrical Hazards | D | Noise and Vibration | D |
| Fire Hazards | S | Fumes and Odors | D |
| Explosives | S | Wetness/Humidity | D |
| Communicable Diseases | S | Darkness or Poor Lighting | S |
| Physical Danger or Abuse | D | | |
| Other (see 1 below) | N | | |

| PRIMARY WORK LOCATION | |
|-----------------------|----|
| Office Environment | -- |
| Warehouse | -- |
| Shop | -- |
| Vehicle | -- |
| Outdoors | X |
| Other (see 2 below) | -- |

(1)

(2)

PROTECTIVE EQUIPMENT REQUIRED:

Hard hat, steel toed shoes, eye protection, gloves, ear protection, harness

NON-PHYSICAL DEMANDS:

| | | | | |
|--|--|--|--|----------------------------|
| C = Continuously 2/3 or more of the time. | F = Frequently From 1/3 to 2/3 of the time. | O = Occasionally Up to 1/3 of the time. | R = Rarely Less than 1 hour per week. | N = Never Never occurs. |
|--|--|--|--|----------------------------|

| NON-PHYSICAL DEMANDS | |
|---|---|
| Time Pressures | F |
| Emergency Situations | O |
| Frequent Change of Tasks | F |
| Irregular Work Schedule/Overtime | O |
| Performing Multiple Tasks Simultaneously | O |
| Working Closely with Others as Part of a Team | F |
| Tedious or Exacting Work | F |
| Noisy/Distracting Environment | F |
| Other (see 3 below) | N |

(3)